Wildlife

LOWER DIVISION

WLDF 111. Introduction to Wildlife [1]. Introduction to the scope of the wildlife management & conservation fields: animals involved, founding scientific principles, current issues, career paths and guest speakers. [CR/NC. Rep.]


UPPER DIVISION

In all classes, weekend trips may substitute for some scheduled labs, lectures, or discussions. Labs may begin before 9:00 A.M. and last more than three hours, allowing for travel.

WLDF 300B. Wildlife Ecology & Management [3]. Important wildlife habitats and their characteristic plants/animals. Identification, life histories, and ecology of important species. Scientific principles upon which field is founded. [Prereq: lower division science GE. GE for nonmajors; may not count for credit by majors.]

WLDF 301. Principles of Wildlife Management [3]. Plant / animal ecology, population dynamics, philosophy. [Prereq: MATH 114 or MATH 115, WLDF 210 or ESM 105; BIOL 105 or BOT 105 or ZOOL 110. GE. Weekly: 2 hrs lect, 1 hr disc/quiz; or 3 hrs lect.]


WLDF 311. Wildlife Techniques [4]. Management and research techniques. [Prereq: WLDF 244, WLDF 301, STAT 109 or equivalent; or IA. Weekly: 2 hrs lect, 1 hr disc, 3 hrs lab.]

WLDF 365. Ornithology I [3]. Classification, life histories, ecology, behavior, and special adaptations of birds. Identification in field and lab. [Prereq: BIOL 105 and ZOOL 110, or their equivalents. Weekly: 2 hrs lect, 3 hrs lab.]

WLDF 420. Wildlife Management [Waterfowl] [3]. Life histories, ecology, behavior, management of waterfowl and allied species. [Prereq: WLDF 301 and WLDF 311, or IA. Rec: WLDF 365. Weekly: 2 hrs lect, 3 hrs lab.]


WLDF 422. Wildlife Management [Mammals] [3]. Life histories, ecology, management. [Prereq: WLDF 301, WLDF 311, ZOOL 356, or IA. Weekly: 2 hrs lect, 3 hrs lab.]


WLDF 426. Field Trip [1-3]. Group tour of important wildlife management developments and/or wildlife and their habitats. [Prereq: WLDF 301 and WLDF 311, or IA.]

WLDF 430. Ecology & Management of Wetland Habitats for Wildlife [3]. Historical, ecological, and management implications of manipulating wetland habitats to benefit wildlife. [Prereq: WLDF 301 and WLDF 311, or IA. Weekly: 2 hrs lect, 3 hrs lab.]

WLDF 450. Principles of Wildlife Diseases [3]. Role of disease in wildlife populations; host/parasite relationships; strategies in controlling diseases. [Prereq: BIOL 105, WLDF 301, ZOOL 110, or their equivalents. Weekly: 2 hrs lect, 3 hrs lab.]

WLDF 460. Conservation Biology [3]. Endangered species management, reserve design, conservation genetics, related concepts. [Prereq: WLDF 301 (BIOL 330 may substitute), or IA.]

WLDF 468. Spatial Wildlife Ecology [3]. Methods and theory for studying spatial wildlife relationships; home range analysis; habitat selection and distribution models, corridor modeling and connectivity. [Prereq: WLDF 311, and GSP 270, or IA. Weekly: 2 hrs lect, 3 hrs lab.]

WLDF 470. Animal Energetics [3]. How mammals and birds acquire, conserve, and exploit energy and other resources. Microclimates; relationships to habitat management. [Prereq: BIOL 105, WLDF 301, WLDF 311; or IA. Rec: ZOOL 310. Weekly: 2 hrs lect, 3 hrs lab.]

WLDF 475. Wildlife Ethology [3]. Behavior of vertebrates. Relationships between animal behavior and wildlife management/research. [Prereq: WLDF 301 and WLDF 311, or equivalent, or IA. Weekly: 2 hrs lect, 3 hrs lab.]


WLDF 482. Wildlife Conclave [1]. Preparation for student competitions in discipline of wildlife management and conservation; research presentation, professional development, networking. [Wildlife majors only. CR/NC. Rep 7 times.]


WLDF 490. Honors Thesis [3]. Independent research conducted under faculty supervision. [Prereq: WLDF 311 and GPA 3.0 or higher. Must take in last semester or IA.]

WLDF 492S. Senior Project, Service [3]. Independent service learning with a professional partner engaged in wildlife management and conservation. Coursework includes pre- and post-service reflection, report writing, and professional presentation. [Prereq: WLDF 311, senior standing, and IA. Rec: at least one additional 400-level WLDF course.]

WLDF 495. Senior Project [3]. Independent research, including proposal writing, fieldwork, and completion of a scientific paper. [Prereq: WLDF 311. Must take in last semester or IA. Rep.]


GRADUATE


WLDF 531. Advanced Wildlife Habitat Ecology [2]. Theoretical and applied aspects of vertebrate habitat ecology; habitat selection study design, analysis, and interpretation; habitat quality, effects of spatial and temporal scale; habitat conservation and management. [Prereq: WLDF 311, and WLDF 430 or WLDF 431; or IA.]


WLDF 550L. Advanced Topics in Wildlife Diseases Lab [1-2].

WLDF 565. Advanced Topics in Ornithology [1-3]. Ecology and management of birds. Emphasis on individual work. [Prereq: WLDF 301, WLDF 365, WLDF 465; or IA.]

WLDF 565L. Advanced Topics in Ornithology Lab [1-2].

WLDF 578. Advanced Ecology of Wildlife Populations [3]. Theory and practice of estimating demographic parameters in marked and unmarked populations. Emphasis on contemporary approaches to maximum likelihood parameter estimation with field-collected data. Individual projects are emphasized. [Prereq: STAT 333 and grad standing, or IA.]

WLDF 580. Behavioral Ecology [1-3]. Relationships between behavior, ecology, and management of wildlife populations. [Prereq: WLDF 475 or equivalent, or IA. Variable format: recitations, labs.]
WLDF 585. Seminar in Wildlife Management
(1-3). Important current literature. Recitation. [Prereq: grad standing. Rep 4 times.]

WLDF 597. Mentoring & Teaching-Associate Training (1-4). Training in course preparation and delivery. Advance majors and grad students take this prior to or concurrent with teaching-assistant or teaching-associate assignments. No credit toward graduate degree.

WLDF 590. Thesis (1-3). Restricted to students in NR grad program, wildlife option. [Rep.]

WLDF 695. Advanced Field Problems (1-3). Directed field experience in individual thesis problems. [Rep.]

WLDF 699. Independent Study (1-3). Selected problems. [Prereq: grad standing and IA. Rep.]